

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : G01D 11/24, G08C 23/04, 17/04		A1	(11) International Publication Number: WO 00/28286 (43) International Publication Date: 18 May 2000 (18.05.00)
(21) International Application Number: PCT/GB99/03709	(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TI, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).		
(22) International Filing Date: 10 November 1999 (10.11.99)			
(30) Priority Data: 9824689.5 11 November 1998 (11.11.98) GB			
(71) Applicant (for all designated States except US): PROCESS TOMOGRAPHY FORESIGHT TECHNOLOGY LIMITED [GB/GB]; St. James's Court, Brown Street, Manchester M2 2JF (GB).			
(72) Inventors; and		Published	
(73) Inventors/Applicants (for US only): HOYLE, Brian, Stewart [GB/GB]; 2 The Dell, Fixby, Huddersfield HD2 2FD (GB). MANN, Reginald [GB/GB]; 2 Pyegrove, Glossop SK13 8RA (GB). GRIEVE, Bruce, Donaldson [GB/GB]; 36 Holme View Avenue, Holmfirth, Huddersfield HD7 2YZ (GB). YORK, Trevor, Andrew [GB/GB]; 19 Sandileigh Avenue, West Didsbury, Manchester M20 3LN (GB).		With international search report.	
(74) Agent: ALLMAN, Peter, John; Marks & Clerk, Sussex House, 83-85 Mosley Street, Manchester M2 3LG (GB).			
(54) Title: MONITORING SYSTEM			
(57) Abstract			
<p>A sensor array for mounting within a vessel to enable conditions within the vessel to be monitored. An array of sensors is supported on a sheet which in use is mounted within the vessel, the sheet carrying the array of sensors and conductors connecting the sensors to an output through which signals may be transmitted, those signals being representative of conditions to which the sensors are exposed within the vessel. The output may be connected to a first monitoring unit located within the vessel. A second monitoring unit may be located outside the vessel, the first monitoring unit converting the sensor output signals into transmission signals which are transmissible through the vessel wall to the second monitoring unit to enable the second monitoring unit to output data representative of conditions within the vessel.</p>			